Technology Readiness Level

DOD 5000.2-R Appendix A6-4

- SYSTEM QUALIFICATION
- SYSTEM/SUBSYSTEM DEVELOPMENT
- TECHNOLOGY DEMONSTRATION
- TECHNOLOGY DEVELOPMENT
- RESEARCH TO PROVE FEASIBILITY
- BASIC TECHNOLOGY RESEARCH

9	Actual Application of the Technology in It's Final Form and Under Mission Conditions.
8	Technology Has Been Proven to Work in It's Final Form and Under Expected Conditions.
7	Prototype Near or at Planned Operational System. Major Step From Level 6, Requiring the Demonstration of an Actual Prototype in an Operational Environment.
6	Representative Model or Prototype System, Which Is Well Beyond the Breadboard Tested 5 Is Tested in a Relevant Environment
5	Fidelity of Breadboard Technology Increases Significantly Enough to Justify Being Ready for Testing in a Simulated Environment
4	Basic Technology Components Are Integrated to Establish That the Pieces Will Work Together.
3	Active Research and Development Is Initiated. This Includes Analytical and Laboratory Studies to Physically Validate Analytical Predictions of Separate Elements of Technology.
2	Invention Begins. Once Basic Principles Are Observed, Practical Applications Can Be Invented. The Application Is Speculative and There Is No Proof of Detailed Analysis to Support the Assumption.
1	Lowest Level of Technology Readiness. Scientific Research Begins to Be Translated Into Technology's Basic Properties.